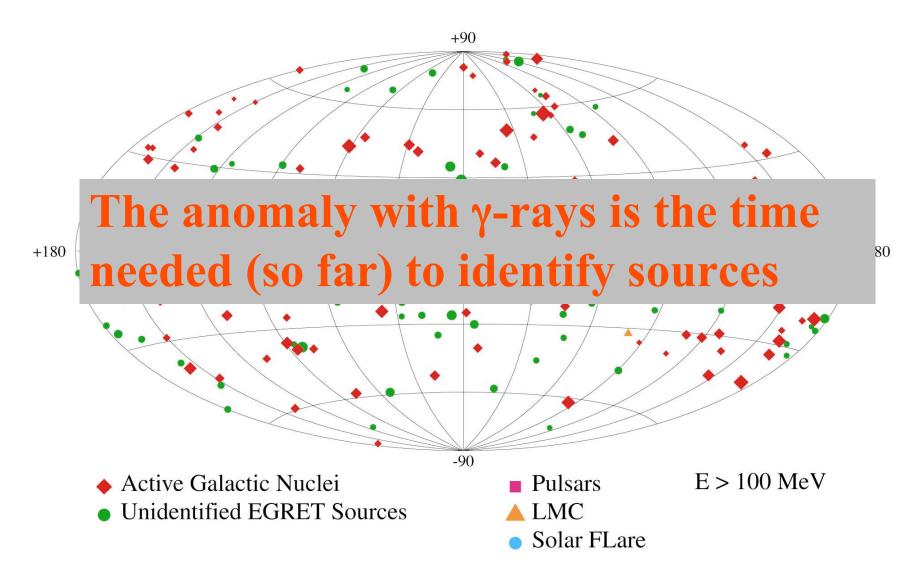
3rd EGRET Source Catalog

• 271 sources 172 UGO



ONLY two classes of γ-ray sources are certified

PWN, SNR, μQSO are probable γ-ray sources

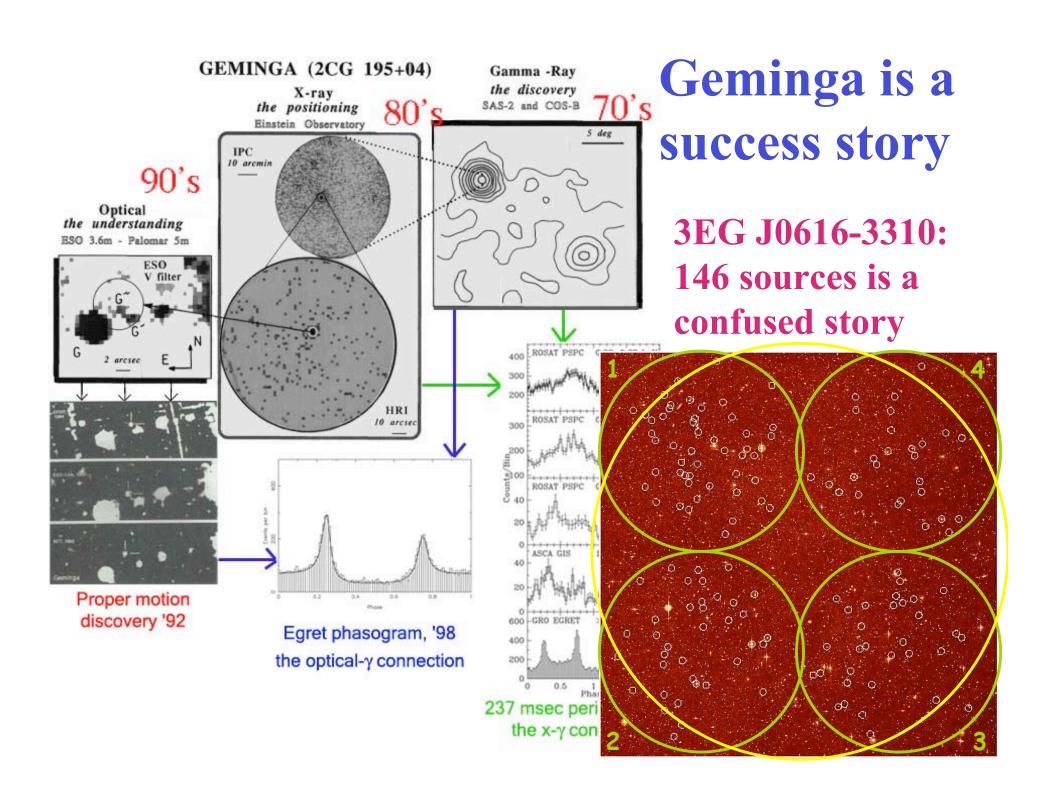
What can an unidentified source be

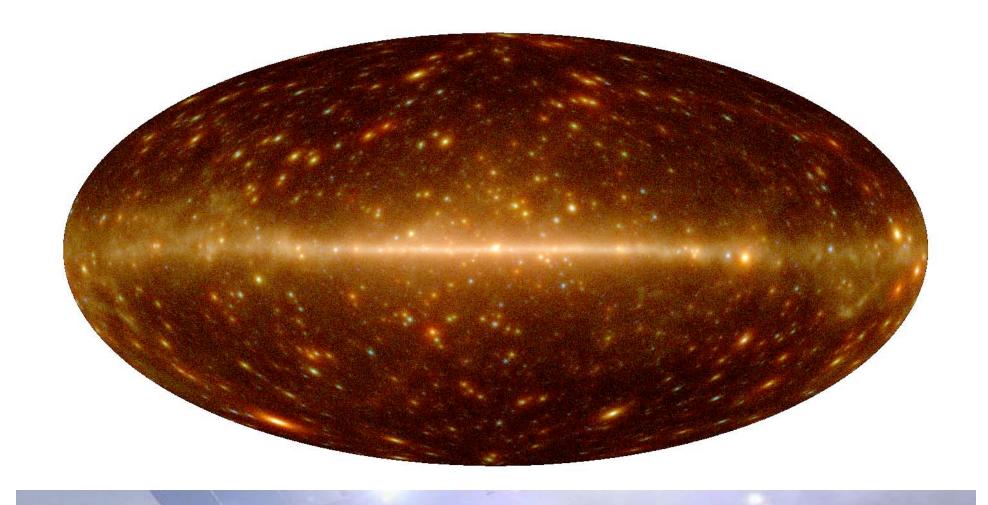
Genuinely **new** class of objects

Known objects with a new phenomenology

Known
(catalogued)
objects, floating
in big error boxes

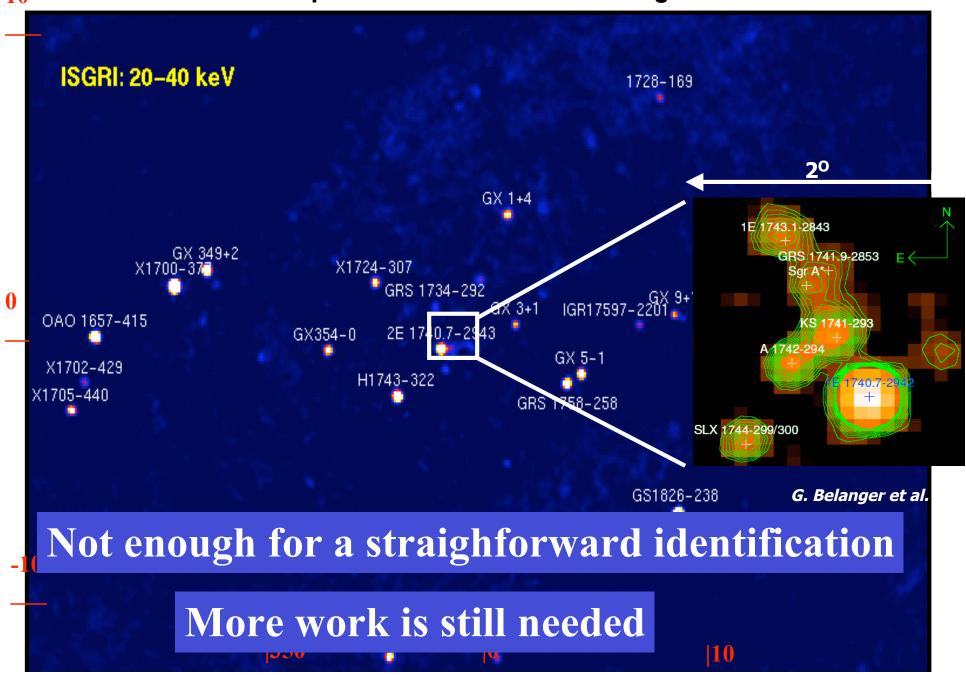
unknown phenomenology Multiλλλ approach known phenomenology VARIABILIY





Glast will detect hundreds of sources which will be positioned at a 5-10 arcmin level

INTEGRAL Map of the Central Galactic Region



Massive multiλλλ approach

Requires lot of obs. time (organization)

Often not conclusive

Shallow XMM observations (10 ksec) yield 150 sources /sq deg., i.e.:

- -Error radius 10° → 15 sources
- -Error radius 5' \rightarrow 4 sources
- -Error radius 3' \rightarrow 1-2 sources

Optical/radio follow-up difficult

Known source classes

Figure of merit approach

Smart use of catalogues

FoM from:

- educated guesses on c.o.p.
- variability,
- energetics
- extension

FoM suggests plausible associations

From association to identification

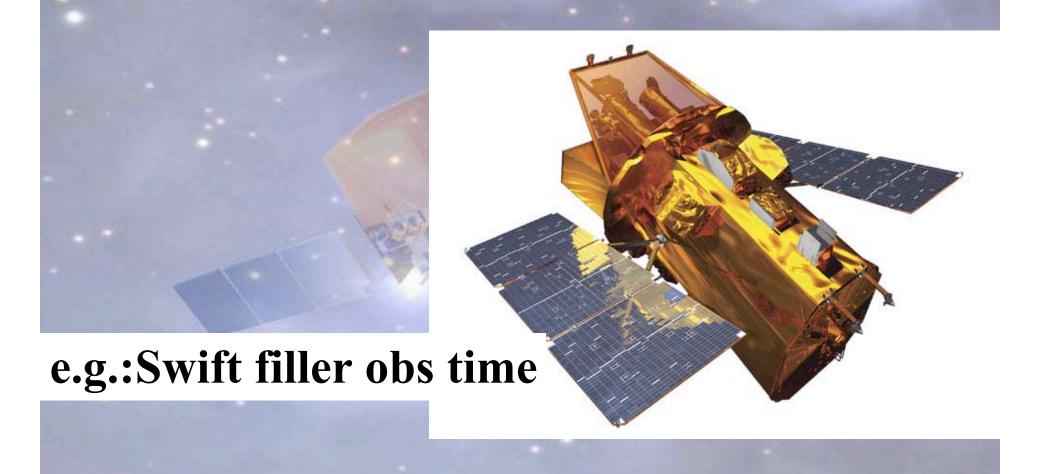
Multiλλλ ob's (archival searches) of high FoM targets can secure identifications (single trial)

Correlated variability

Timing

Extension

For NEW source classes → Start a multiλλλ campaign



The magnitude of the problem

End 2007-mid 2008

AGILE: 50 new γ-ray sources

10 ksec x 50 sources = 500 ksec 10% of the filler programme

End 2008-mid 2009

GLAST: 500 new γ-ray sources

10 ksec x 500 sources = 5 Msec 100% of the filler programme

NOT a GO programme

rather a strategic programme

in need of a sizeble fraction of the filler targets observing time

to turn SWIFT into an ID machine

FIRST PRIORITY

Identify new classes of sources

to start population studies